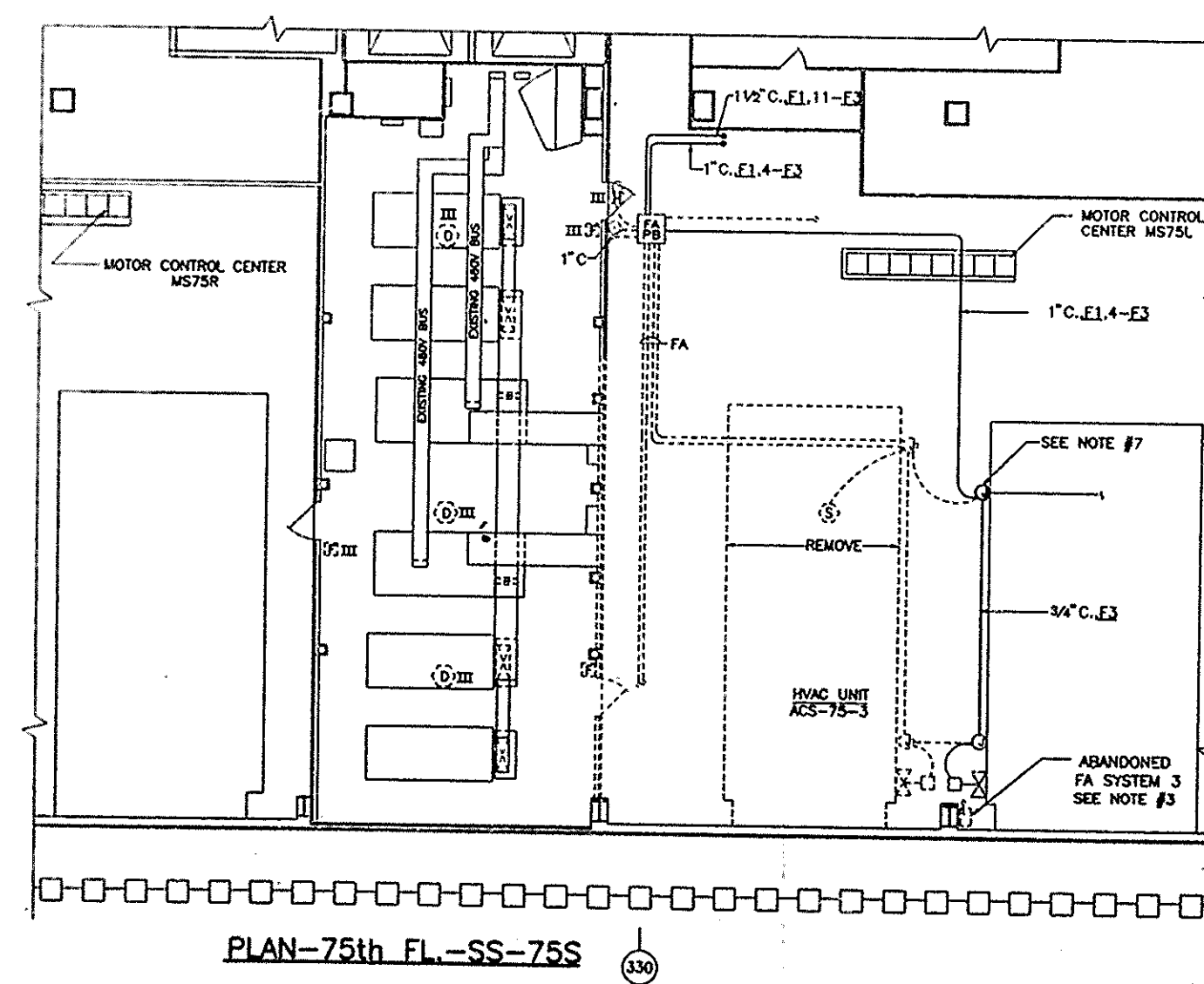
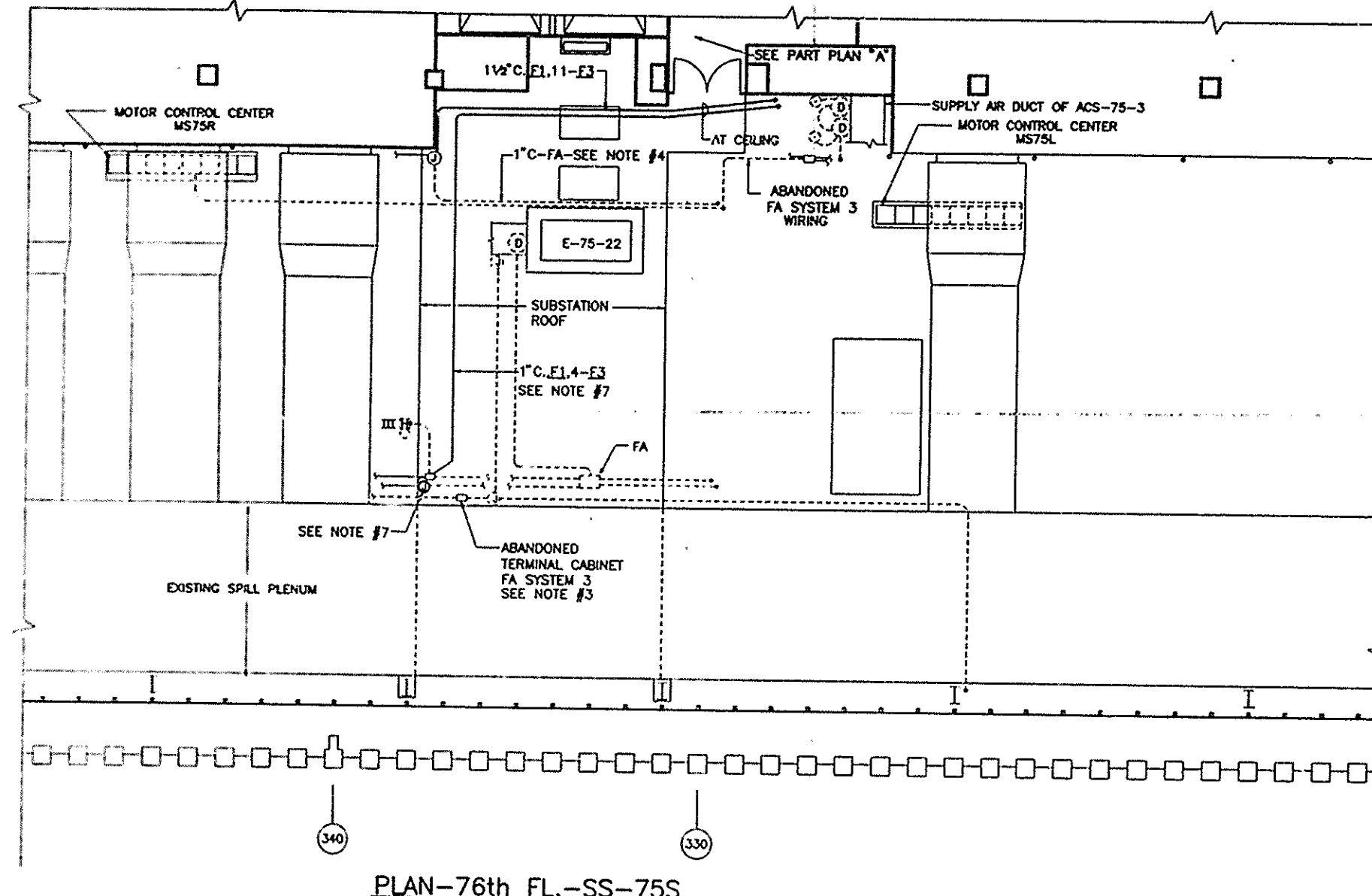
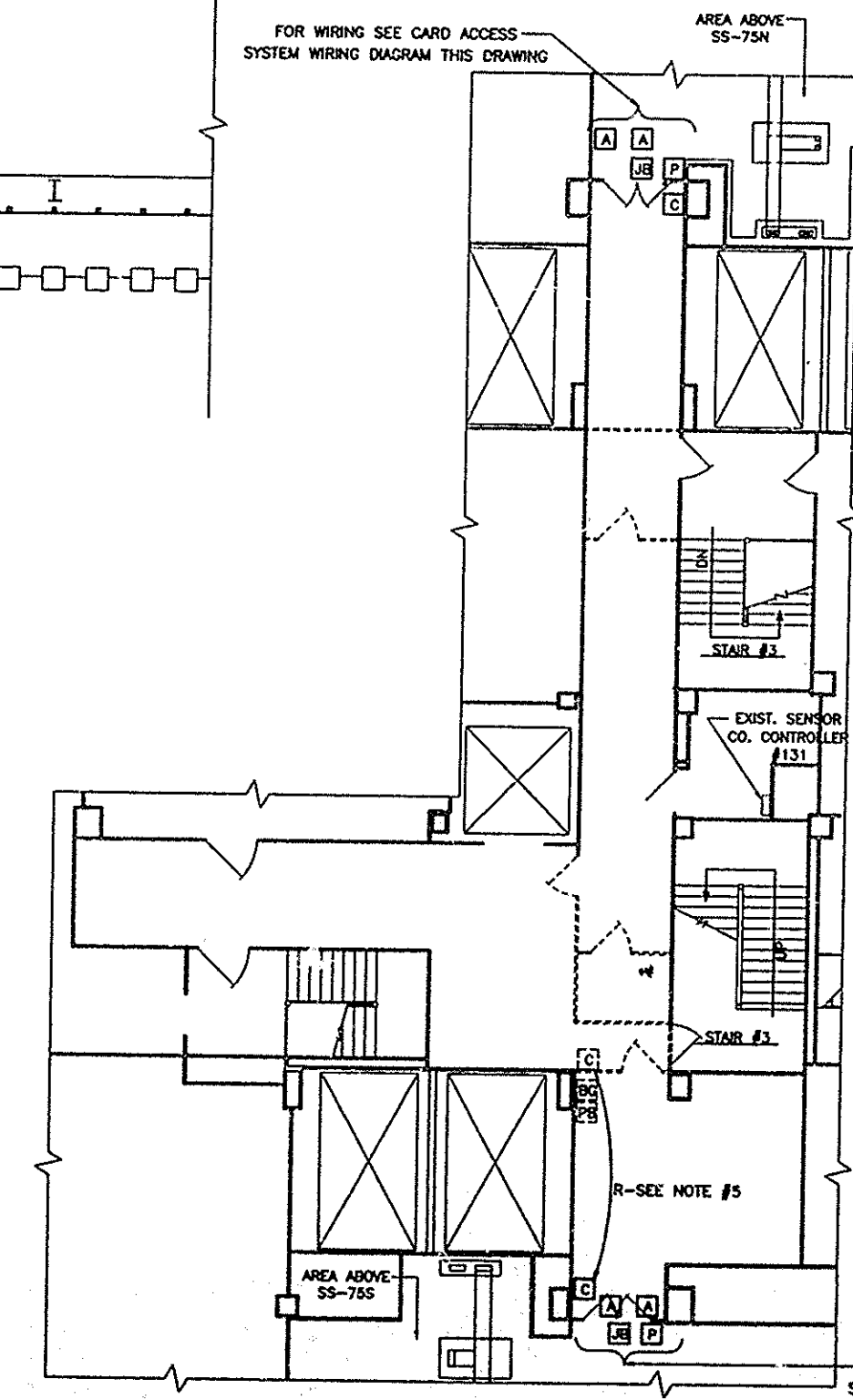
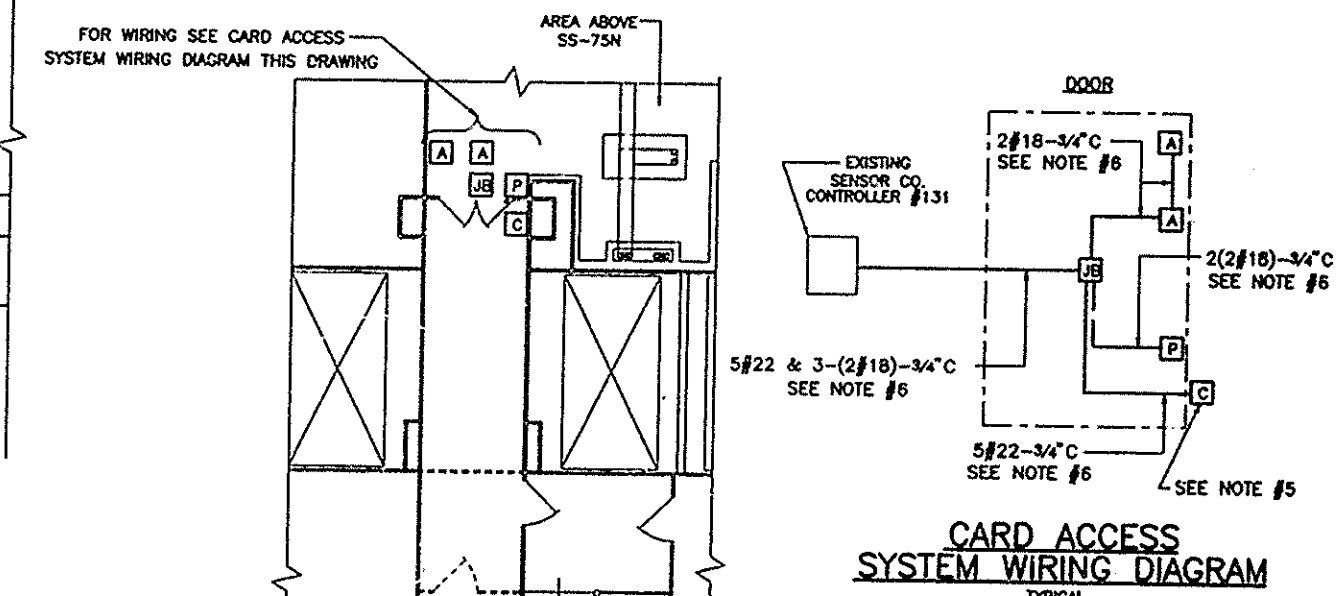


PA-SHT REV. 5

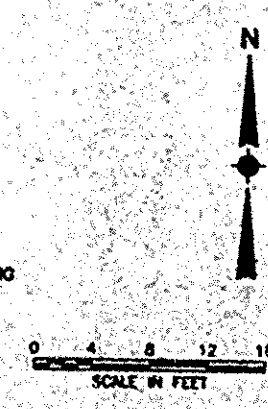


- NOTES**
1. FOR LEGEND SEE DWG. #E-1, FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DWG. #E-2.
  2. FOR TYPICAL SUBSTATION STAGE I SEQUENCE OF INSTALLATION SEE DWG. #E-4.
  3. REMOVE ABANDONED FIRE ALARM SYSTEM 3 DEVICE AND/OR CONDUIT SECTION.
  4. RELOCATE EXISTING CARD READER AND INSTALL NEW EQUIPMENT. EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED. CONNECT IN ACCORDANCE WITH CARD ACCESS SYSTEM DIAGRAM. ALL DEVICES FOR CARD ACCESS SYSTEM SHALL BE PROVIDED BY AUTHORITY AND INSTALLED BY CONTRACTOR. CONTRACTOR SHALL FURNISH AND INSTALL ALL THE REQUIRED WIRING FOR THE CARD READER SYSTEM AS SHOWN ON DWG. CARD ACCESS SYSTEM MUST BE ABLE TO RESPOND AS FOLLOW: (a) STRIKE RELEASE BY DOOR PANIC PUSHBAR ACTION, (b) STRIKE RELEASE BY SYSTEM CARD READER AND (c) FORCED DOOR ENTRY. ANY FORCED DOOR ENTRY MUST BE ANNUNCIATED VIA CONTROLLER TO SYSTEM PC.
  5. CONNECT NEW CARD READER TO EXIST. CONTROLLER #131 RIM-132 ADDRESS 61.
  6. 2#18 CABLE SHALL BE TEFLON JACKETED BELDEN #89740 OR APPROVED EQUAL. 5#22 CABLE SHALL BE SHIELDED, TEFLON JACKETED BELDEN #89777 OR APPROVED EQUAL.
  7. INTERCEPT AND REROUTE EXISTING WIRING SYSTEM TO PROVIDE SPACE FOR NEW INSTALLATION. PROVIDE JUNCTION BOX AT ENDS OF CONDUITS THAT REMAIN. INSTALL WIRE IN REROUTED CONDUIT SECTION AS SHOWN AND SPLICE TO EXISTING WIRES IN JUNCTION BOXES.



I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 6/21/95 *Santhan A. Arslan* SPEC. WRITER  
DATE 8/15/95 *Peter K. Sweeney* ENGINEER OF DESIGN



Sheet 136 of 224

**THE PORT AUTHORITY OF NY & NJ**

*Peter K. Sweeney*  
ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER  
*Santhan A. Arslan*  
CHIEF ELECTRICAL ENGINEER

Engineering Department	
Design Divisions	
Electrical	
HVAC	
Upgrade Program	

Title

TOWER ONE AND TWO LOW VOLTAGE SUBSTATIONS CONSTRUCTION AND INSTALLATION

ELECTRICAL

SUBSTATION SS-75S STAGE I REMOVAL AND RELOCATION PLANS SHEET #2

No.	Date	Revision	Approved
1	5-1-95		

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

NOZMAN FISCHER  
Designed by

NOZMAN  
Drawn by

Contract Number  
WTC 802.071

Drawing Number  
E-50